

(No Model.)

E. F. PFLUEGER.

LUMINOUS ATTACHMENT FOR HARNESS.

No. 254,841.

Patented Mar. 14, 1882.

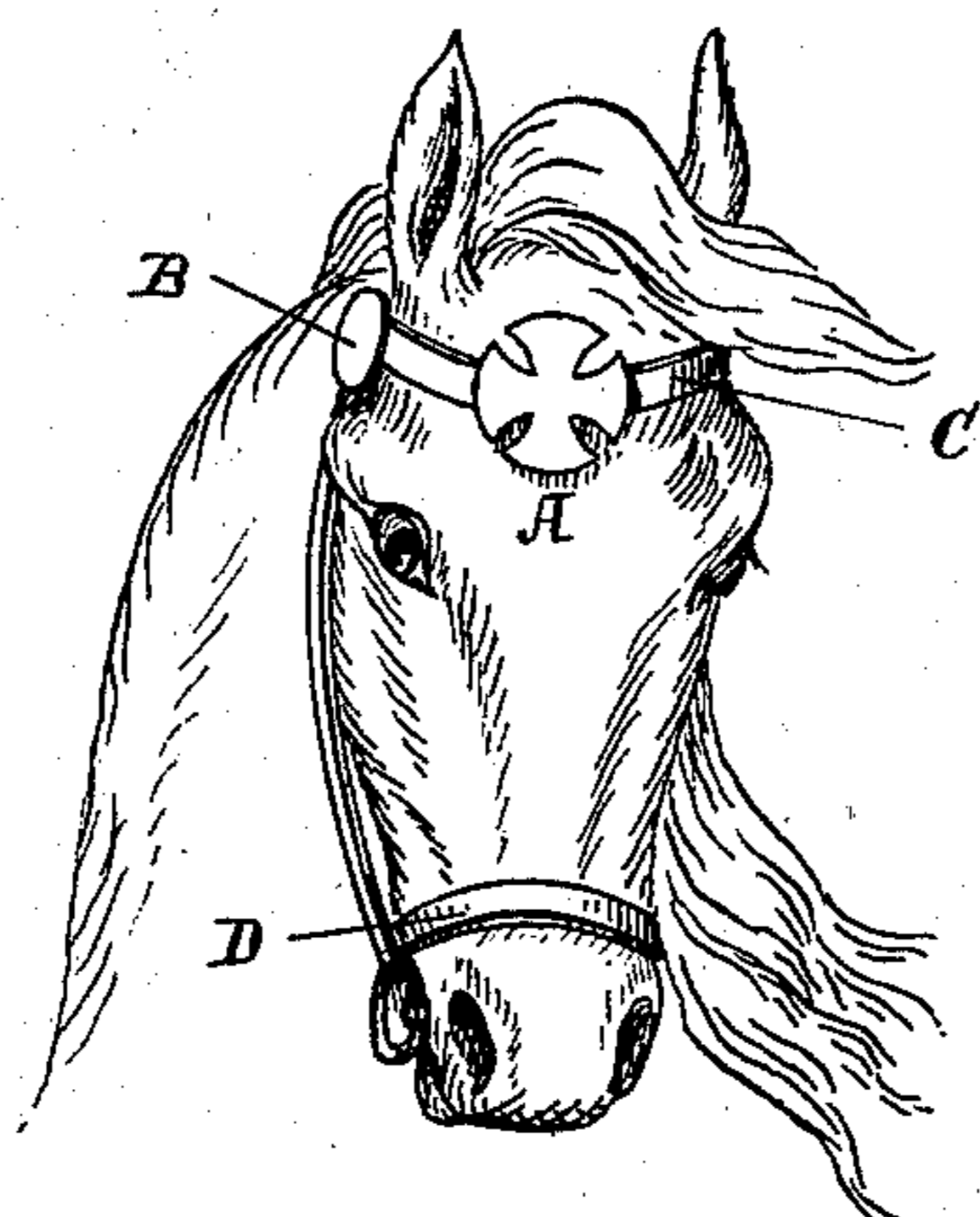


Fig. 1.

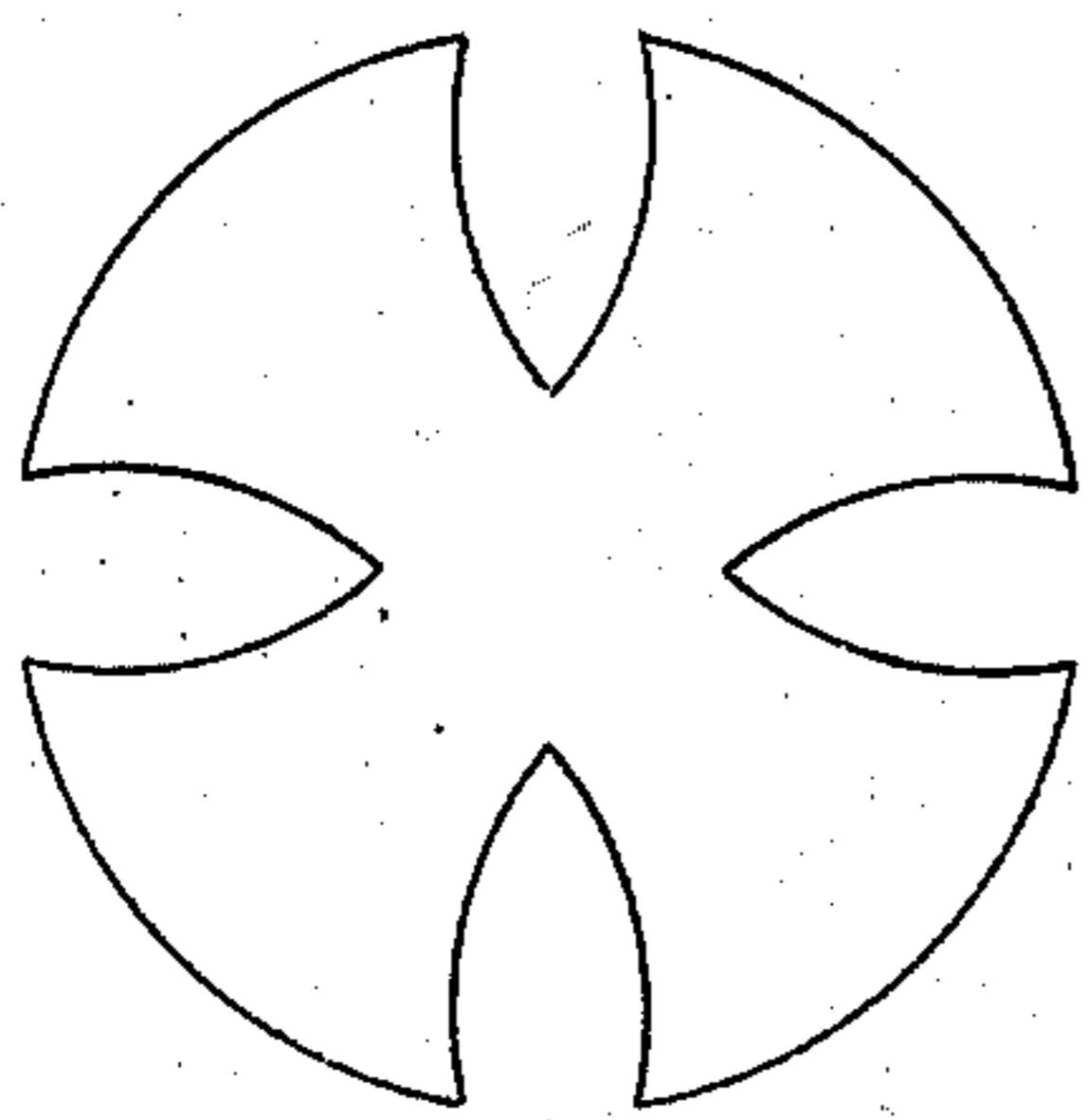


Fig. 2.



Fig. 3.

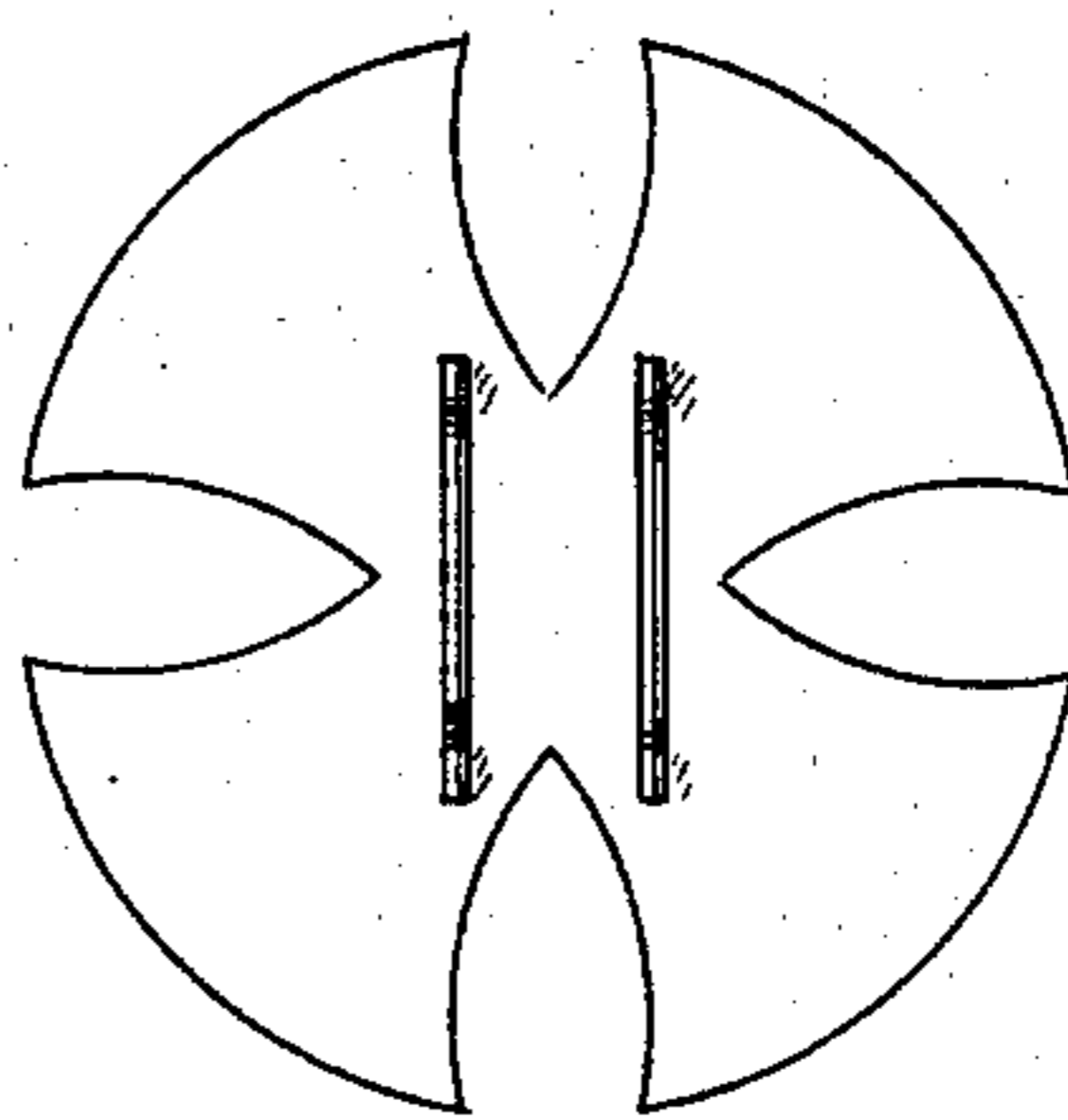


Fig. 4.

Witnesses:

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# UNITED STATES PATENT OFFICE.

ERNEST F. PFLUEGER, OF AKRON, OHIO.

## LUMINOUS ATTACHMENT FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 254,841, dated March 14, 1882.

Application filed November 10, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, ERNEST F. PFLUEGER, of Akron, in the county of Summit and State of Ohio, have invented a new and useful Improvement in Luminous Attachments for Horses, of which the following is a specification.

The want of some device whereby the presence of a horse may be perceived in the darkness has been the occasion of frequent serious and often fatal accidents.

The object of my invention is to provide appliances whereby a horse may be seen by a person whom it approaches or who approaches it in the darkness.

It consists in coating some surface of the harness, preferably a part of the bridle, or a thin metallic plate or other similar surface adapted to be attached to the bridle or harness, with a substance that shall be luminous in the dark.

It will be readily understood by reference to the accompanying drawings, of which Figure 1 is a horse's head bearing a bridle, and Figs. 2, 3, and 4 exhibit the front, edge, and back of an attachable plate.

The material used should be in the form of a paint, and may be either self-luminous, as phosphoric compositions, or luminous by an inherent retentive power, whereby, after having been exposed to light, it remains luminous for hours afterward. The luminous compound which I propose commonly to employ for this purpose is a paint or varnish composed of sulphide of calcium as a base, and a vehicle consisting of any siccative oil or paint varnish; but any other luminous or phosphorescent material or compound may be used. This may be applied directly to a part of the harness,

preferably the front straps, C D, of the bridle; but in order to get increased surface it will be found advantageous to use independent pieces adapted to be attached to the harness or bridle, one whereof is shown in Figs. 2, 3, and 4. These may be thin sheets of metal or other suitable material, and may be cut in any fanciful or ornamental pattern. They should be provided with loops or other suitable device for connecting them with the bridle, and the outer surface coated with the luminous material. They may be then attached to the front of the bridle, as A, Fig. 1, and as rosettes B, Fig. 1, thus affording large luminous spots, easily discernible in the darkness.

I claim as my invention—

1. A plate of metal or other suitable material provided with devices for attaching it to the bridle or harness of a horse, and coated with a paint composed of sulphide of calcium and a siccative oil or paint varnish, substantially as and for the purpose hereinbefore set forth.

2. A new article of manufacture consisting of a plate of metal or other suitable material adapted to be attached to the bridle or harness of a horse, and covered with a substance which is luminous in the darkness, substantially as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of November, A. D. 1881.

ERNEST F. PFLUEGER.

Witnesses:

E. W. STUART,  
C. P. HUMPHREY.